

TECHNICAL SUPPORT FOR LOW LEVEL RADIOLOGICAL WASTE EVALUATION BASE REALIGNMENT AND CLOSURE ACTIVITIES – ADDITIONAL EFFORT

Proposal

INTRODUCTION AND OBJECTIVES

On behalf of the United States Department of the Navy (DON), Argonne assisted Battelle in evaluating current practices at Base Realignment and Closure (BRAC) cleanup sites to characterize and dispose of soil/debris containing Radium-226 (Ra-226), and classified as low level radiological waste (LLRW). The proposed work represents a follow-on activity to support the Navy in the implementation of recommendations resulting from the evaluation of LLRW waste generation processes.

The general scope of proposed activities includes:

- Participate in discussions with RASO and BRAC Program Management Office West to develop consensus on which recommendations to implement. Most meetings will be by conference call. One meeting will be at the RASO Office at Yorktown Naval Weapons Station, Yorktown, VA.
- Develop an implementation plan that can be used by Navy contractors to modify Radiological Work Instructions, and other work plan documents.

Battelle will be the primary contact with the DON's project team, which will be managed by the Naval Facilities Engineering Command, Engineering Service Center in Port Hueneme, California with support from the BRAC Program Management Office West and the DON's Radiological Affairs Support Office (RASO). As described in this proposal, Argonne will provide technical support to Battelle in specific areas.

PROPOSED SCOPE

Qualified staff members at Argonne National Laboratory will provide the following technical support to Battelle during the LLRW evaluation requested by the DON:

Task 1 – Discussions

1. Argonne will participate in discussions via conference calls with RASO and BRAC Program Management Office West to develop consensus on which recommendations to implement.
2. Argonne will attend one meeting at the RASO Office at Yorktown Naval Weapons Station, Yorktown, VA.
3. Argonne will assist Battelle in the preparation of agendas and meeting minutes for the physical meeting and conference calls.

Task 2 – Implementation Plan

1. Argonne will identify any outstanding questions or data needs from BRAC PMO West prior to initiating development of the Implementation Plan.
2. Argonne will prepare a detailed outline and approach for preparing the Implementation Plan that is consistent with available Navy funding for this project.

3. Argonne will prepare a draft Implementation Plan summarizing the analyses completed and presenting the recommendations that will be implemented. The Implementation Plan shall be written such that it can be used as a tool by Navy contractors to modify Radiological Work Instructions and work plan documents consistent with the LLRW Evaluation Report's selected recommendations. The implementation plan should at a minimum contain the necessary text, use of checklist, flowcharts, figures and conceptual model examples to achieve the objective. A draft report will be issued for Navy review.
4. Argonne will prepare comment responses to response to the Navy review and participate in discussions via conference call required to gain consensus on comment resolution.
5. Argonne will finalize the Implementation Plan based on comment resolutions.

The duration of the tasks described above is 6 months from initiation of contract.

KEY PERSONNEL

The work as described above will be performed by Dr. Kurt Picel and Dr. Robert Johnson, both with the Environmental Science Division, Argonne National Laboratory.